

# California Bay-Delta Authority

June 10, 2004

# Agenda Item 4

## Delta Improvements Package

# Authority Action

Consider Resolution 04-06-02

Supporting a Draft Memorandum of Understanding for CALFED Program Activities in the Delta and Directing Staff to Work With The Implementing Agencies to Finalize a Memorandum of Understanding and Move Forward With Implementation

# Delta Improvements Package



## **Water Supply Reliability**

- Implement SWP/CVP integration plan
- Design & construct SWP/CVP intertie
- Increase SWP permitted pumping rates to 8,500 cfs



## **Ecosystem restoration**

- Update programmatic regulatory commitments (including ERP)
- Launch expanded, long-term EWA with combination of public and user funding



## **Water Quality**

- Permanent operable barriers
- Develop San Joaquin River Salinity Management Plan
- Reduce agricultural drainage/relocate intakes
- Address Stockton dissolved oxygen problem
- Develop strategy to improve Frank's Tract

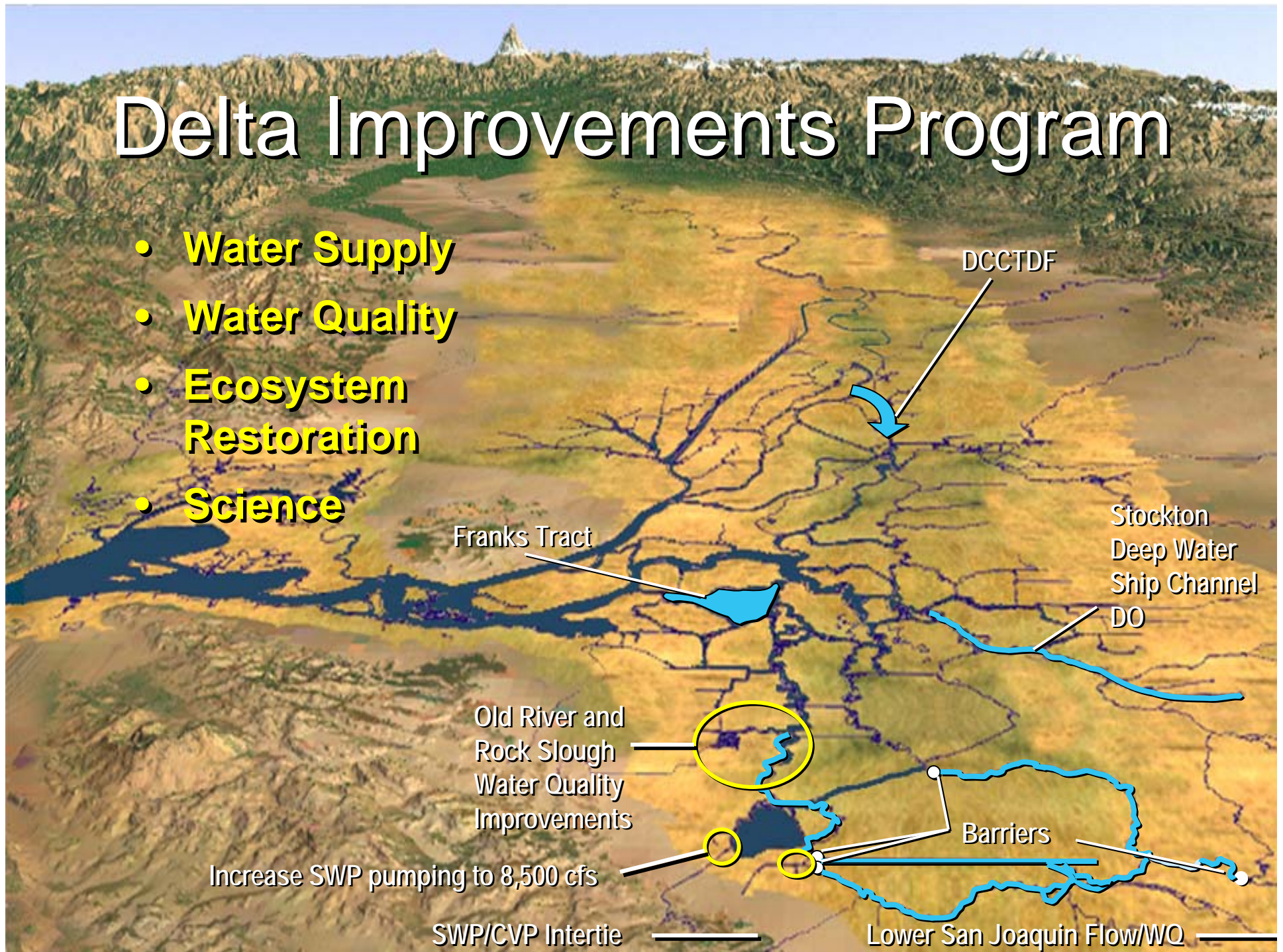


## **Science**

- Independent reviews of specific actions, including the EWA, and focused research monitoring, and assessment to inform decision-making

# Delta Improvements Program

- **Water Supply**
- **Water Quality**
- **Ecosystem Restoration**
- **Science**



# Key Linkages

- Permanent Operable Barriers
- Water Quality Standards
- Old River and Rock Slough water quality Improvements
- Environmental Protection Measures
- Environmental Water Account



# Delta Improvements Package Schedule

- Public Workshop-Sacramento ....May 27<sup>th</sup>
- Public Workshop-Walnut Grove...May 27<sup>th</sup>
- Review with Stakeholders/BDPAC  
Subcommittees.....May/June
- CBDA adopt Resolution.....June 9-10<sup>th</sup>

# 8500 cfs

## Operation & Linkages

- Interim Implementation
  - Prior to Permanent Operable Barriers
- Full Implementation
  - Permanent Operable Barriers constructed and operating

Both levels of operation will not be undertaken until environmental review is completed and all required permits are obtained



# 8500 cfs Operation & Linkages

- Conditions for Interim Implementation
  - Sufficient water levels for south Delta agricultural diverters
  - No significant degradation to Delta water quality (ag, M&I)
  - No significant negative impact to fish protection, including a functional EWA

Temporary Barriers Project would continue  
during this period

# 8500 cfs Operation & Linkages

- Conditions for Full Implementation
  - Permanent Operable Barriers constructed and operating to improve water quality and water levels, and provide fish protection
  - San Joaquin River Salinity Management Plan developed and commence implementation
  - Veale and Byron tracts components of the Old River and Rock Slough water quality projects to improve water quality near the intake of Contra Costa WD canal constructed and operating
  - Biological Opinions and measures to help restore covered species are in place
  - Long-term EWA to provide water supply reliability and fish protection developed and implemented

Please click [here](#) for an aerial view of the State Water Project's Clifton Court Forebay Intake and its relative location in the South Delta.

Please click [here](#) to view the relative location of the proposed permanent South Delta Barriers and an artist's rendering of each site.

# Water Quality Improvements: Salinity in the San Joaquin River

- **Commit to an aggressive integrated salinity management program**
  - **Coordinated actions by the parties and TMDL Process by RWQCB**
  - **Agricultural drainage management**
  - **Real Time salinity monitoring and management**
  - **Salt Load management and reduction**
  - **Recirculation**
  - **Water Transfers**

Please click [here](#) to view a conceptual flow pattern from a CVP recirculation strategy on the San Joaquin River.

Please click [here](#) for an aerial view of an example of wildlife and agricultural drain areas targeted for salt load management.



# Water Quality Improvements: Drinking Water and Ecosystem

- Continuous improvement in water quality
- Reroute Agricultural Drains – Veale and Byron Tracts
- Encase the CCWD canal in stages
- Franks Tract study and actions
- Consider moving CCWD M&I Intake
- San Joaquin River Dissolved Oxygen study and actions

Please click [here](#) to view a map of major water quality improvement projects in the Delta.

# Actions in response to comments received to date

- DWR and USBR will continue to comply with existing SWP and CVP water rights conditions, per SWRCB Decision 1641
- Vernalis flow objective – USBR will proceed per April 28 letter from SWRCB
- Programmatic regulatory commitments to protect & recover covered species at an equivalent level of protection as provided in the CALFED ROD
- San Joaquin River Salinity Management Plan will be developed by December 2004